

IN THE CLAIMS:

1. (Currently amended) A method for producing a respiratory filter ~~in which , said~~  
2 ~~method comprising the steps of:~~

~~intermixing a granular adsorbent, absorbent, chemisorptive, or catalytic material,~~  
4 ~~particularly activated carbon, is intermixed with (a) a melttable polymer(s) to produce a~~  
~~mixture; and and the resulting mixture is heated under pressure and pressed into a~~  
6 ~~molded piece, characterized in that~~

~~— said mixture is heated under pressure in a molding the mixture in the connecting~~  
8 ~~part for a respirator or fan filter unit or in a connecting part of an adapter for a respirator~~  
~~or fan filter unit and is thereby positively or non-positively pressed into it, and that the~~  
10 ~~connection between said connecting part and the compacted mixture is gastight so as~~  
~~to make a molded piece and a gastight connection between the molded piece and the~~  
12 ~~connecting part so that the molded piece and connecting part can be operatively~~  
~~connected as a unit to a respirator or fan filter unit.~~

2. (Currently amended) An apparatus for carrying out the method according to  
2 claim 1 in which a mixture of granular adsorbent, absorbent, chemisorptive, or catalytic  
material, particularly activated carbon, is heated under pressure in a mold with ~~(a) a~~  
4 ~~melttable polymer(s) and pressed into a molded piece, characterized in that said~~  
~~wherein the mold is a connecting part for a respirator or fan filter unit or a connecting~~  
6 ~~part (1) of an adapter for connecting a respirator or fan filter unit and that there is a~~

positive and/or non-positive gastight connection between said connecting part (1) and  
8 the compacted molded piece (2).

3. (Currently amended) The apparatus according to claim 2, characterized in  
2 that wherein the connecting part (1) comprises on its an inner surface with a complete  
or partial groove or tongue (5) which the compacted molded piece (2) engages in or  
4 partially encloses, respectively.

4. (Currently amended) The apparatus according to claim 2, characterized in  
2 that wherein the connecting part (1) comprises a periphery with fasteners (3) on it's the  
periphery for a detachable gastight connection to a respirator or fan filter unit, or for a  
4 gastight connection to an adapter (4) for connecting to a respirator of or fan filter unit.

5. (Currently amended) The apparatus according to claim 4, characterized in  
2 that wherein the connection to an the adapter (4) is detachable.

6. (Currently amended) The apparatus according to claim 4, characterized in  
2 that wherein the fasteners (3) are designed for a snap-in or threaded connection.

7. (Currently amended) The apparatus according to claim 2, characterized in  
2 that wherein the connecting part (1) is made of a polymer with a higher melting point  
than the polymer(s) of the molded piece (2), or of cardboard or metal.

8. (New) The method for producing a respiratory filter according to claim 1  
2 further comprising the step of operatively connecting the respiratory filter to a respirator  
or fan filter unit.

9. (New) The method for producing a respiratory filter according to claim 8  
2 further comprising the step of providing an adapter and the step of operatively  
connecting the respiratory filter comprises operatively connecting the respiratory filter to  
4 the respirator or fan filter unit through the adapter.

10. (New) The method for producing a respiratory filter according to claim 9  
2 wherein the step of operatively connecting the respiratory filter comprises the step of  
snap-fitting the respiratory filter to the adapter.

11. (New) The method for producing a respiratory filter according to claim 1  
2 wherein the step of molding the mixture comprises molding the mixture to make a  
positive gastight connection between the molded piece and the connecting part.

12. (New) The method for producing a respiratory filter according to claim 1  
2 wherein the step of providing a connecting part comprises the step of providing a ring-  
shaped connecting part.

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13. (New) The apparatus according to claim 2 in combination with a respirator or  
2 fan filter unit wherein the respiratory filter is operatively connected directly to the  
respirator or fan filter unit.

14. (New) The apparatus according to claim 2 in combination with a respirator or  
fan filter unit wherein the respiratory filter is operatively connected to the respirator or  
fan filter unit through an adapter.